

DM-1 Data Module TM

RENOGY Data Module
for Solar Charge Controllers



 **RENOGY**

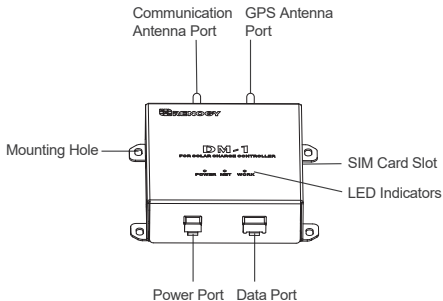
General Information

The Renogy DM-1 is a new generation of data module for Renogy solar charge controllers. The DM-1 provides wireless monitoring of the system data and sets up operating parameters through smart phone App.

Key Features

- Wirelessly monitor and control compatible solar charge controllers
- Connect to user-friendly smartphone App to keep track of your system
- Embedded exclusive wireless module with high efficiency and low energy consumption, offers fast and uninterrupted communication
- 4G antenna for fast data communication, GPS antenna for precise locating
- RJ12 data communication port

Identification of Parts



Additional Components

Additional components included in the package:

- Communication Antenna



- GPS Antenna



- Power Cable



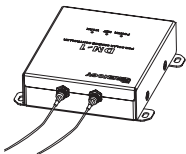
- RJ12 Data Cable



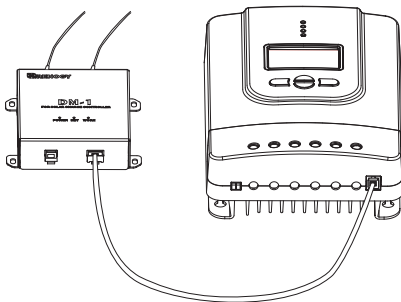
Operation

Connection

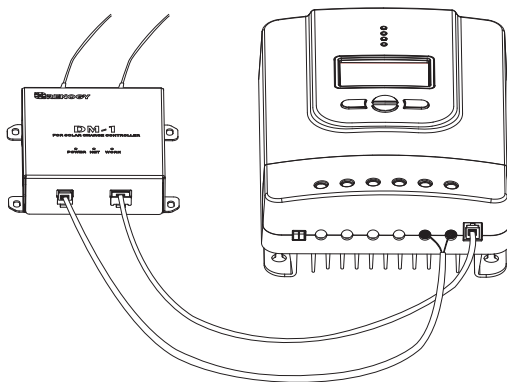
Step 1 Connect communication antenna and GPS antenna to the ports.



Step 2 Connect RJ12 data cable to charge controller.



Step 3 Connect power cable to load terminals of the charge controller. If the controller doesn't have load terminals, alternatively connect power cable to battery terminals. However, for the best performance, it is suggested to connect power cable to load terminals.



Technical Specifications

Communication status indicator

| LED Indicator | Status | Note |
|---------------|----------|----------|
| Power | On | Power on |
| Net | Flashing | Working |
| Work | Flashing | Working |

Compatible Models

| | |
|------------------------|---------------------------------------|
| Compatible Models | All Renogy Controllers with RJ12 port |
| Communication Protocol | RS232 |
| Port Type | RJ12 |

| Description | Parameter |
|------------------------------|---|
| Model | DM-1 |
| Input Voltage Range | 9V to 100V DC |
| Input Current | <60mA (DC 12V) |
| Operating Temperature | -20 °C ~ +70 °C |
| Operating Humidity | 20% ~ 95% |
| Battery Capacity | 3.7V / 280mA |
| Communication Protocol | RS232 |
| Port Type | RJ12 |
| Power Cable Length | 2 m (6.6 ft) |
| RJ12 Data Cable Length | 1.5 m (4.9 ft) |
| Communication Antenna Length | 2 m (6.6 ft) |
| GPS Antenna Length | 2 m (6.6 ft) |
| Dimensions | 94 x 100 x 25 mm (3.70 x 3.94 x 0.98 in) |
| Weight | 0.21kg(0.46lb) |
| Protection Grade | IP30 |

TO DOWNLOAD APP:

1. For Android version, simply search "Renogy" in Google Play to download. or visit our company website. You can download the software to your computer, then send it to your Android devices to install.
2. For ios version, simply search "Renogy" in App store to download.



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